

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**Declaration and Power of Attorney**

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **DETERMINING THE COMPOSITION OF PHYSICAL STRUCTURES FROM BOUNDARY CONDITIONS, INCLUDING THE COMPOSITION OF SUBSCRIBER LOOPS**, the specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims and any amendments filed therewith.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of an PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed:

**None**

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below:

**Serial No. 60/158,156 filed October 8, 1999**

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

None

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

As a named inventor, I hereby appoint **John T. Peoples** (Reg. No. **28,250**) to prosecute this application and to transact all business in the Patent and Trademark Office therewith.

It is respectfully requested that all written communications from the Patent and Trademark Office in connection with this application be addressed to:

John T. Peoples  
14 Blue Jay Court  
Warren, New Jersey 07059;

any telephone calls should be made to (908) 580-9816.

Full name of first joint inventor: **Joseph William Lechleider**

Inventor's signature

Joseph William Lechleider

Date

Sep 26, 2000

Residence: 4 Harding Terrace (Mendham Township)  
Morristown, Morris County, New Jersey

Citizenship: United States of America

Post Office Address: (as above)

Full name of first joint inventor: **John Terrance Peoples**

Inventor's signature

Date \_\_\_\_\_

9-27-2000

**Residence:**

14 Blue Jay Court

Warren, Somerset County, New Jersey

**Citizenship:**

United States of America

Post Office Address: (as above)

1. *What is the purpose of the study?*  
 2. *What are the research questions?*  
 3. *What is the significance of the study?*  
 4. *What are the limitations of the study?*  
 5. *What are the conclusions of the study?*